

Site: St. Louis Airport
ID #: Hodas 57 107 615
Other

Environmental Consulting and Engineering

August 12, 1988

RECEIVED

AUG 1 7 1988

Mr. Michael Kosakowski
Deputy Chief, Superfund Branch
U.S. Environmental Protection Agency
Region VII
726 Minnesota Avenue
Kansas City, KS 66101

SUPERFUND BRANCH

Dear Mr. Kosakowski:

In accordance with Section XX.2 of the Administrative Order on Consent with the City of St. Louis, Missouri, Docket No. 88-F-0012, Lafser & Schreiber, Inc. hereby certifies that all actions required under this Order to be completed on the Midcoast Aviation property have been completed. This letter is a follow-up to the certification of the completion regarding the "north" section of the Midcoast Aviation property dated August 4, 1988.

The purpose of the project was the removal of hazardous waste known to exist on the airport property currently leased by Midcoast Aviation. In mid-April, 1988, Midcoast's construction contractors, while engaged in excavating soil, unearthed approximately 240 buried drums. Wastes identified include pit liquids, non-liquid heels, crushed drums and parts of two trucks. The pit liquids and actual product were subsequently pumped into a total of 81 drums and were stored adjacent to the Midcoast property. The drum contents were determined to exhibit characteristics of ignitability as defined by 40 CFR 261.21 and, therefore, a hazardous waste under the Resource Conservation and Recovery Act (RCRA). On July 13, 1988, an Administrative Order on Consent (Docket No. 88-F-0012) became effective upon receipt of the fully executed Order with the City of St. Louis.

The City of St. Louis contracted Lafser & Schreiber, Inc. to complete the necessary remediation in complying with the Order. Immediately, a Proposed Site Remediation Pctivities plan ("Work Plan") was submitted and approved on July 14, 1988 by the EPA. The Work Plan outlined the activities required to adhere to the Order to remediate the Midcoast property. The following

30285363 Superfund

describes activities completed on the Midcoast site. (Note that this summary does not include activities of the Drainage Ditch Area.)

Magnetic and electromagnetic meters were utilized to delineate the areas that may contain additional buried metal. Magnetic data was acquired by using an EDA Omni Plus Magnet-gradiometer and an EG&G Geometrics G-856 Magnetometer. The magnetometers are based on a proton precision method and are capable of measuring to an accuracy of .1 gammas. The G-856 magnetometer was used to record background fluctuations at a base station located 50 ft. west of the Midcoast site. A Geonics EM31 ground conductivity meter was used to measure the In-phase component and the Quadrature phase component (terrain conductivity) of the induced magnetic field.

The contour plotting of the data indicates three areas which required further investigation, as agreed upon by John Chen (EPA) and Ted Faile (E&E) in a meeting at the EPA on July 22, 1988. Two of the recommended locations were on the Midcoast site and were completed before investigating Area #3. (See Figure 1 for "Recommended Locations for Additional Investigation".)

Area #1, centered around C310, was investigated first. An additional geophysical survey was required on a 10'x10' grid pattern within the area to further delineate the area that may potentially contain subsurface metal. While excavating, a compact clay was found to extend to a depth of approximately 4 ft. At that depth, debris such as plastic, wood and approximately 35 drums were found in an area of 15'x14.5', up to a depth of 9 ft. The large anomaly identified by the geophysical survey was removed; however, the fill material still continued in the subsurface.

Groundwater was noticed in the pits and sampled to determine if the water exhibited any characteristics of a hazardous waste pursuant to 40 CFR Part 261. A water sample was taken and sent to Environmetrics Laboratory in St. Louis for ignitability, corrosivity and EP toxic metals. The verbal results from the laboratories did not indicate any characteristics of a hazardous waste. A water sample was also sent to Weston Laboratories, Stockton, California, and confirmed that the groundwater did not exhibit any characteristics of a hazardous waste. Weston's analytical results are attached to this letter.

After Area #1 was fully investigated, a geophysical survey at 10 ft. intervals was conducted in Area #2, centering around H280. Again, an excavation of 11.5'x13' pit was dug up to a 9 ft. depth. At a depth of 4.5 ft., a trash fill was noticed in which 14 drums were found and removed from the pit. Groundwater again was noticed and was sampled to determine if the water exhibited any characteristics of a hazardous waste. The analytical results which are attached do not indicate any characteristics of a hazardous waste.

To complete actions required by the Order on the Midcoast site, the crushed drums, contaminated soil and non-liquid material with soil were all removed from the Midcoast site and placed south of the Drainage Ditch Area awaiting disposal at a secured landfill.

Although all work required by the Order has not been completed, all actions required for completion on the Midcoast property have been completed. A final report of all activities completed "on-site" will be submitted to the EPA, including all applicable analyses and deliverables, within two weeks of this certification.

Should you have any questions concerning the activities undertaken at the Midcoast property, please feel free to call us at 314-534-2266.

I, the undersigned, do hereby certify that the above summary of activities at the Midcoast Aviation property are true to the best of my knowledge.

Gregory G. Haug, P.E

Gregory G. Haug, P.

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cc: Fred Lafser
Gary Holmes
David Bohm



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WESTON GULF COAST LANDRATORIES, INC. 2417 Band St., University Feir, Illinois 90486 Phones: (312) 835-8260 (212) 865-7077 (276) 782-7433

## ANALYTICAL REPORT

TO: Boy F. Waston, Inc. 7720 Lorreine Avenua

Stockton, CA 95210

ATTN: Mr. Mris Blass

DATE: August 11, 1986

FR: Industrial Waste Maragement

WO# 5089-01-01

SEMPLE BAIMPOOSE (PIT #1 GROUNDWATER)

Sample Date: 07/25/88 Date Received: 08/02/88 GCL#: 135492

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186432 Chromium EP Toxicity	jef	< 0.5	ng/l
188400 Load WP Toxicity	<u>0</u> 16	< 0.8	ng/l
135452 Moroury RE Toxiolity	Jos.	< 0.020	35/Ì
186482 Selenium EP Toxioity	636	< 0.1	mg/1
138492 Silver PP Toxioity	ja ř	< 0.5	<u> 05/1</u>
135482 Bomb Calorimetry		1000	atu/lb.
138492 Cyquidea Reactive		< 0.02	mg/l
136492 Flash Point (Closed Cup)		> 200	7
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WESTON-QULF COAST LABORATORIES, INC. 2417 Bond St., University Park, History 80465 Phones: (512) 654-8200 (216) 538-7077 (816) 723-7835

ANALYTICAL REPORT

TO Roy F. Weston, Inc. 7720 Lorraine Avenue Stockton, CA 98210

ATTA: Hr. Eris Hines

DATE: August 11, 1988

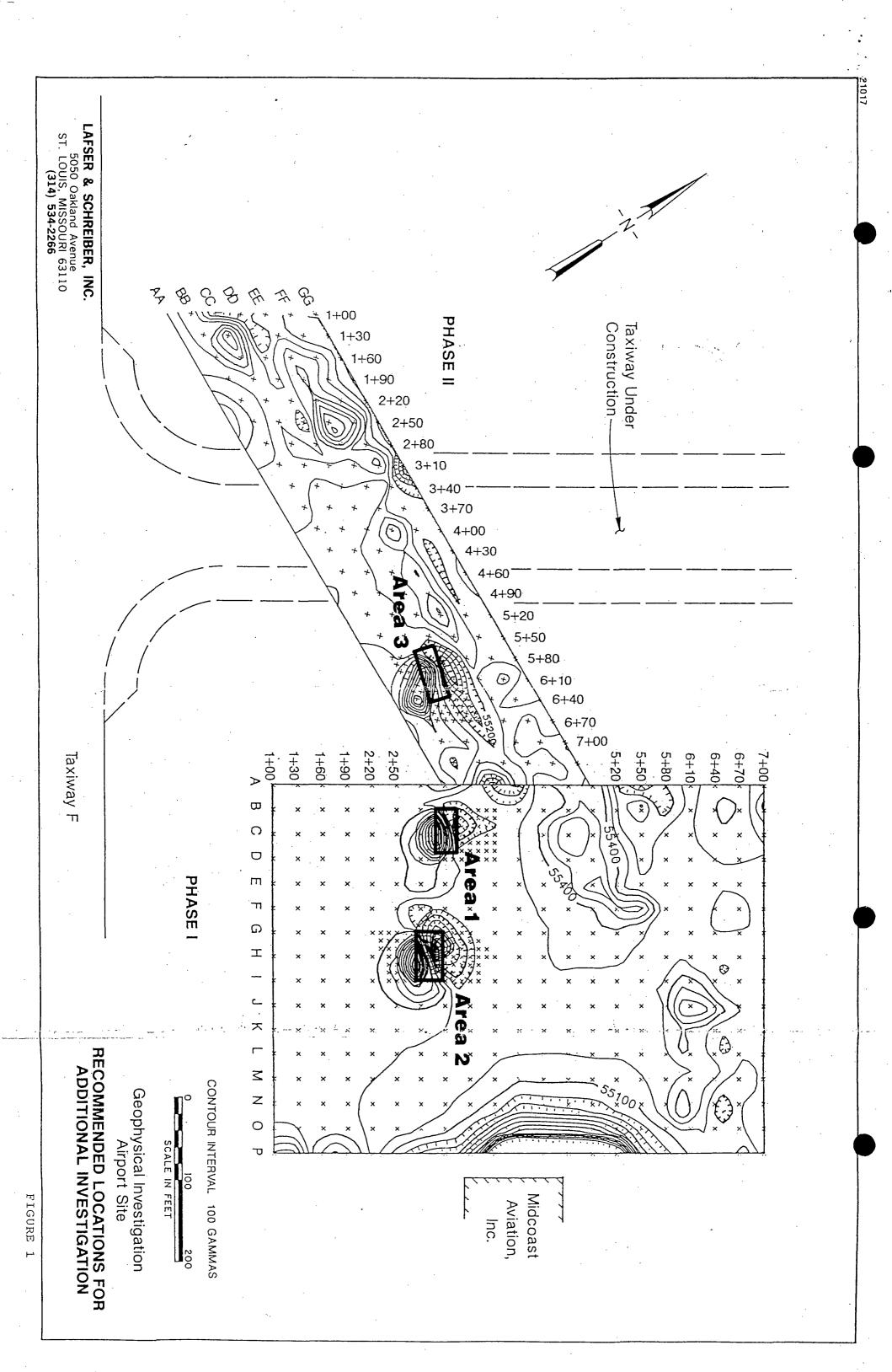
dispersion of the fair terior in

HO# 5068-01-01

Sample SAIRFOODD (PIT #2 Groundwarer)

Bample Date: 07/27/d8 Date Received: 06/02/88 GCL#: 136485

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AUG 12 '88 15:52 STL TECHNOLOGY CTR.

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## FAX FACT SHEET

TO:	mike Kosakowski	_ 0 1
	US EPA	_ \ \( \O \ \)
FAX #:	913-236-2845	
FROM:	Lafser & Scheiber	<del>-</del> \

Return Fax #: (314) 534-8149

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DATE: 8-12-88

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# of Pages:

(includes this cover page)

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Environmental Consulting and Engineering

August 12, 1988

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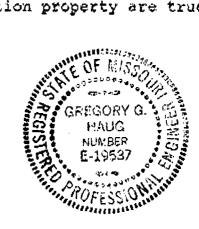
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cc: Fred Lafser Gary Holmes David Bohm





Weston-Bulf Coast Lasokatories, Inc. 2817 Bond Bi., University Pere, illino.e 60466 Prenew (312) 634-6260 (212) 645-1077 (818) 722-7423

## ANALYTICAL REPORT

TO: Hoy 7. Westen, Inc. 7720 Lorraine Avenua Stockhon, CA 95210

ATTN: Mr. Kris Rines

DATE: August 11, 1985

RE: Industrial Waster Maradenest

WO# 5088-01-01

SAMPLE FAIRPOOSE (PIT #/ GROUNDWATER)

Sample Date: 07/25/88 Date Received: 08/02/88 GCL#: 188492

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	Berlua II Toxidity	isi	<u> </u>	ns/1
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135492	Chronium EP Toxicity	jet	< 0.5	re/1
	Load MP Toxicity		< 0.5	<u> 54/1</u>
155492	Havoury AF Toxicity	10.7	< 0.030	<u> </u>
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W2870N-QULF COAST LABORATORIES, INC. 2417 Zond St. University Perk. (Minel 80426 Phones: (\$12) 854-8270 (218) 883-7077 (818) 703-7533

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ATTH: Mr. Kris Binos

DATE: August 11, 1986

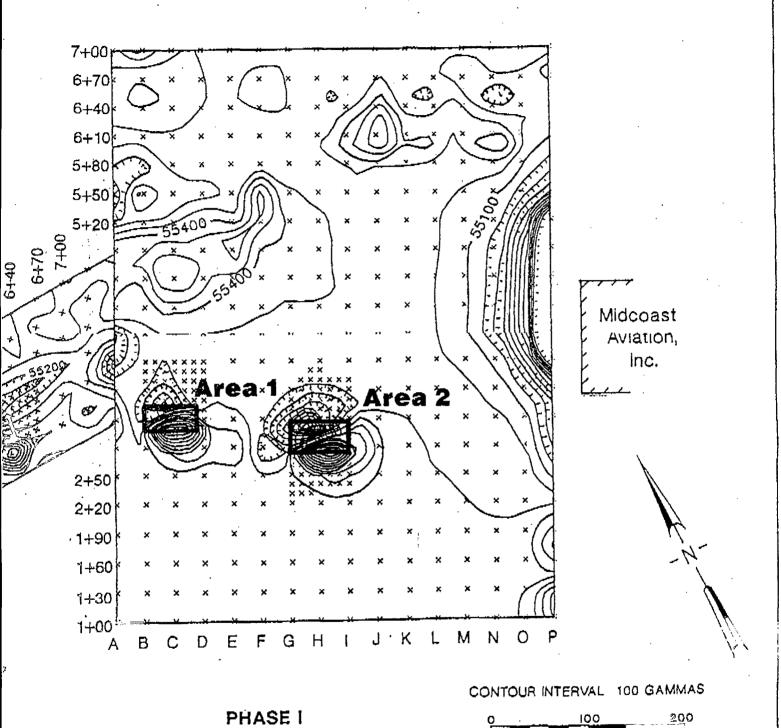
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90章 5059-01-01

SAMPLE SAIRFOCER (Pr #2 GROUNDWATER)

Emmple Date: 07/27/88 Date Received: 08/02/88 GCL#: 138485

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199493 Cadmius IP Toxicity	101	< 0.1	mg/l
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186493 Lead RP Toxicity	0,50	< 0.5	mg/l
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198463 Silver EP Toxicity	انيا د در د	< 0.5	225 12 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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Geophysical Investigation Airport Site

RECOMMENDED LOCATIONS FOR ADDITIONAL INVESTIGATION

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